

## COMMISSIONER FOR PATENTS

P.O. Box 1450

Alexandria, VA 22313-1450

**Customer No. 26794**

Sir:

Transmitted herewith for filing is the patent application of

Inventor(s): Frank Liu

For: APPARATUS, METHODS AND ARTICLES OF MANUFACTURE FOR PRE-EMPHASIS FILTERING OF A MODULATED SIGNAL

Also enclosed are:

- ☒ Application Data Sheet  
☒ 8 Sheets of drawings  
☐ Information Disclosure Statement with Form PTO-1449 and copies of publications  
☒ Recordation Form Cover Sheet - Patents Only and an Assignment of the invention to M/A-COM, Inc.  
☐ Claim for Priority under 35 U.S.C. §119 with certified copy of \_\_\_\_\_  
☒ Postcard and Express Mail Certification  
☒ Executed Declaration/Power of Attorney

22386 U.S. PTO  
 10/663136  
 09/16/03

The filing fee has been calculated as shown below:

	NO. OF CLAIMS FILED		NO. OF CLAIMS FROM BASIC FEE	NO. OF EXTRA CLAIMS
TOTAL	35	-	20 =	15
INDEP.	5	-	3 =	2
___ First presentation of multiple dependent claim				

## SMALL ENTITY

RATE	BASIC FEE \$375.
x 9=	\$
x42=	\$
+140=	\$

OR

OTHER THAN  
SMALL ENTITY

RATE	BASIC FEE \$750.
x18=	\$270
x84=	\$168
+280=	\$0

TOTAL FEE \$ \_\_\_ OR \$ 1188.00

- ☒ A check in the amount of \$ 1188.00 is enclosed to cover the official filing fee for a large entity.
- ☐ A check in the amount of \$ \_\_\_ is enclosed to cover the official filing fee for a small entity.
- ☒ A check in the amount of \$ 40.00 is enclosed to cover the recordal fee.
- ☐ Please charge my Deposit Account No. 50-2719 in the amount of \$ \_\_\_\_\_. A duplicate copy of this sheet is enclosed.
- ☒ In regard to this communication, the Commissioner is hereby authorized to charge payment of any additional filing fees required under 37 CFR §1.16 and any additional patent application processing fees under 37 CFR §1.17 or credit any overpayment to Deposit Account No. 50-2719. A duplicate copy of this sheet is enclosed.
- ☒ During the pendency of this application, the Commissioner is hereby authorized to charge payment of any filing fees for presentation of extra claims under 37 CFR §1.16 and any patent application processing fees under 37 CFR §1.17 or credit any overpayment to Deposit Account No. 50-2719. A duplicate copy of this sheet is enclosed.

Respectfully submitted,



Frank A. Cona, Reg. No. 38,412  
 Attorney for Applicant(s)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Art Unit : **Customer No. 26794**  
Examiner :  
Serial No. :  
Filed : Herewith  
Inventors : Frank Liu  
Title : APPARATUS, METHODS AND  
: ARTICLES OF MANUFACTURE  
: FOR PRE-EMPHASIS FILTERING  
: OF A MODULATED SIGNAL  
Docket No.: 18098 (1287-03)  
Confirmation No.:  
Dated: September 16, 2003

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**Mail Stop Patent Application**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

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**EXPRESS MAIL CERTIFICATION**

**37 C.F.R. §1.10**

Express Mail Label No.: EL985810377US  
Date of Deposit: September 16, 2003  
Description of Contents: Postcard, \$1188.00 Check, \$40.00 Check, Application Transmittal Letter, in duplicate, Application Data Sheet (1 page), Specification (29 pages), including claims (8 pages) and abstract (1 page), drawings (8 sheets), executed Combined Declaration, Power of Attorney and Petition, Recordation Form Cover Sheet - Patents Only and executed Assignment.

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR §1.10 on the date indicated above and is addressed to **Mail Stop Patent Application**, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Emily Steigerwalt

*(Typed or printed name of person mailing paper or fee)*

*(Signature of person mailing paper or fee)*